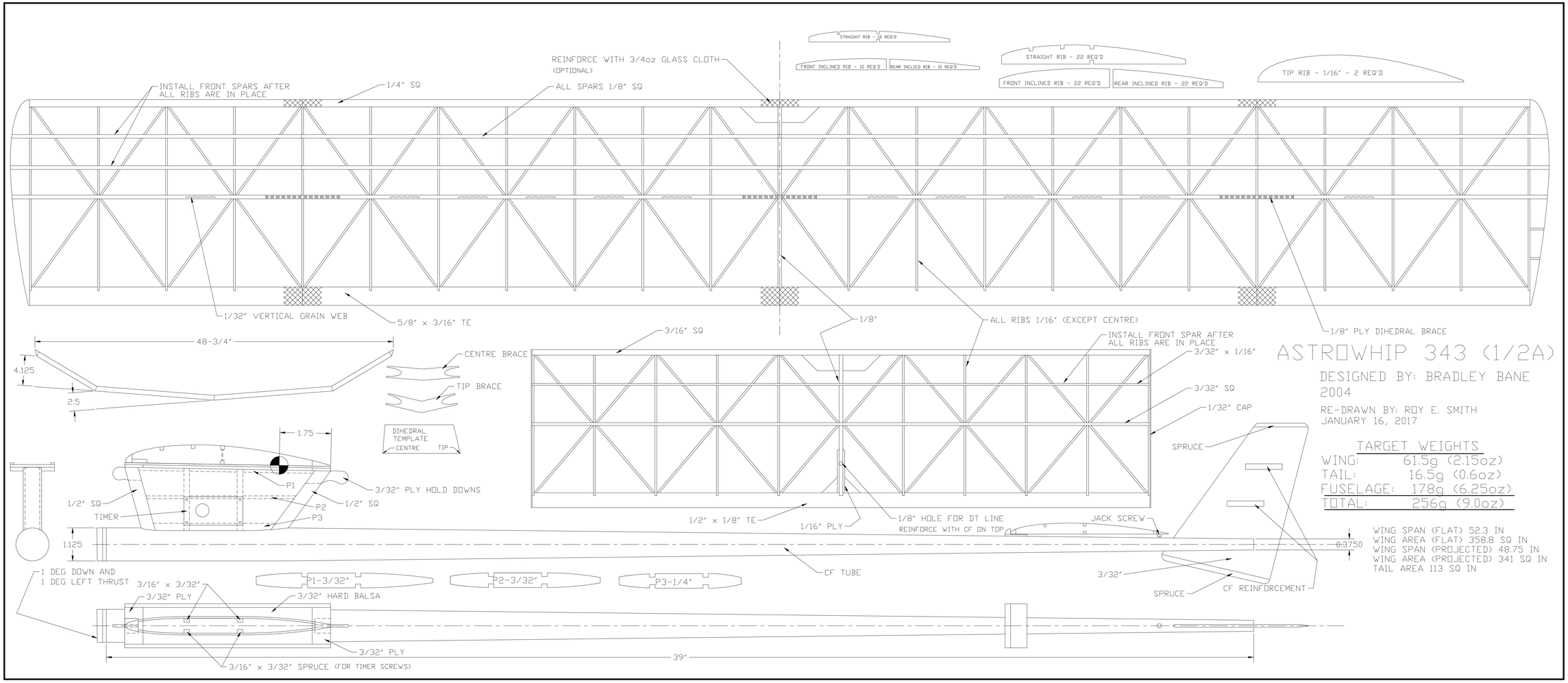
STRAIGHT RIB - 10 REQ'D
FRONT INCLINED RIB - 10 REQ'D
REAR INCLIED RIB - 10 REQ'D
STRAIGHT RIB - 22 REQ'D
FRONT INCLINED RIB - 22 REQ'D
REAR INCLINED RIB - 22 REQ'D
TIP RIB - 1/16" - 2 REQ'D
REINFORCE WITH 3/4oz GLASS CLOTH (OPTIONAL)
INSTALL FRONT SPARS AFTER ALL RIBS ARE IN PLACE
1/4" SQ
ALL SPARS 1/8" SQ
1/32" VERTICAL GRAIN WEB
5/8" x 3/16" TE
1/8"
ALL RIBS 1/16" (EXCEPT CENTRE)
1/8" PLY DIHEDRAL BRACE
48-3/4"
4.125
2.5
CENTRE BRACE
TIP BRACE
DIHEDRAL TEMPLATE
CENTRE
TIP
3/16" SQ
INSTALL FRONT SPAR AFTER ALL RIBS ARE IN PLACE
3/32" x 1/16"
3/32" SQ
1/32" CAP
SPRUCE
1.75
P1
P2
P3
3/32" PLY HOLD DOWNS
1/2" SQ
1/2" SQ
TIMER
1/2" x 1/8" TE
1/16" PLY
1/8" HOLE FOR DT LINE
REINFORCE WITH CF ON TOP
JACK SCREW
1.125
0.3750
CF TUBE
3/32"
SPRUCE
CF REINFORCEMENT
1 DEG DOWN AND
1 DEG LEFT THRUST
3/16" x 3/32"
3/32" PLY
3/32" HARD BALSA
P1-3/32"
P2-3/32"
P3-1/4"
3/32" PLY
3/16" x 3/32" SPRUCE (FOR TIMER SCREWS)
39"
ASTROWHIP 343 (1/2A)
DESIGNED BY: BRADLEY BANE
2004
RE-DRAWN BY: ROY E. SMITH
JANUARY 16, 2017
TARGET WEIGHTS
WING: 61.5g (2.15oz)
TAIL: 16.5g (0.6oz)
FUSELAGE: 178g (6.25oz)
TOTAL: 256g (9.0oz)
WING SPAN (FLAT) 52.3 IN
WING AREA (FLAT) 358.8 SQ IN
WING SPAN (PROJECTED) 48.75 IN
WING AREA (PROJECTED) 341 SQ IN
TAIL AREA 113 SQ IN